

incorporated in this treatise. A great part of the author's research program has been supported financially by the U.S. Department of Agriculture. The author presents masterfully how a virus, which seemed to have been primarily a pathogen of planthoppers and had become adjusted to Old World cereal grasses so as to cause no appreciable damage, flared up and sometimes killed up to 70 percent of the newly introduced hybrid maize of American origin, when these varieties were introduced after World War II. Numerous tables, figures, color plates, and more than 330 references are provided. The book should be of special interest to entomologists and insect pathologists, as well as to virologists and plant pathologists.

K. MARAMOROSCH

Aphid Technology. H. F. van Emden, ed. 1972. Academic Press, London and New York. 344 pp. \$18.50.

This book is the first book written on methods for studying one of the most important crop pests—aphids. Described in the eight chapters are the relevant aspects and techniques for collecting and storing of aphids, the biological properties of these insects and their host plant relationships, evaluations of aphid populations on plants, aerial sampling, natural enemies, measurement of the physical environment, population dynamics, and problems of data analysis. The authors, all prominent experts in their respective fields, were chosen from England, Canada, United States, Czechoslovakia, and Australia. An extremely valuable regionally classified list of bibliographical references, as well as bibliographies for identifying aphids, is included. This book will be indispensable to those who are interested in the important field of crop protection, as well as to all who are working with aphids. It should serve also as an excellent text for entomology students and teachers at colleges and universities. Pertinent references are listed at the end of each chapter and a subject and author index is provided for the whole volume. Illustrations are of fine quality.

K. MARAMOROSCH

Hewitson on Butterflies, 1867–1877. With a preface by Dr. L. G. Higgins. 1972. E. W. Classey Ltd. (distributed by Entomological Reprints Specialists, Los Angeles, California). 210 pp. \$12.50.

The book contains original descriptions of ten genera and 403 species of butterflies, and is a reprint of the original descriptions, published by Hewitson in four parts and dealing with exotic Rhopalocera and Hesperidae: "Descriptions of one hundred new species of *Hesperidae*"; "Descriptions of some new species of *Lycaenidae*"; "Equatorial Lepidoptera collected by Mr. Buckley"; and "Bolivian Butterflies collected by Mr. Buckley." There are no figures in this book and no index is provided.

K. MARAMOROSCH

The Caddis Flies, or Trichoptera, of Illinois. Herbert H. Ross. 1944. Illinois Natural History Survey Bulletin 23. Reprinted by Entomological Specialists, Los Angeles, California. 1972. 326 pp. \$9.95.

This is an exact reprint of the original publication which was out of print. If the author had added a complete bibliography of the vast literature on Trichoptera that has been published since World War II, this book would have been even more valuable.

K. MARAMOROSCH